

ABSTRACT

Medical devices for insertion into a body cavity, such as the thoracic cavity. One version of the medical devices includes an outer needle with side openings in the shaft that communicate with a central passageway of the outer needle, and a stylet having a tapered distal end and a shaft that is configured to be slidably positioned within the passageway of the outer needle. The stylet shaft in this version has different cross-sectional areas at different locations along the stylet shaft. Methods of performing a medical procedure on a subject using the disclosed medical devices. One such procedure is a lung biopsy on a subject.

10